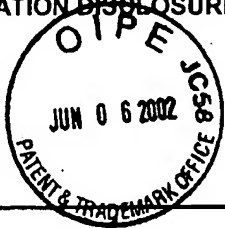
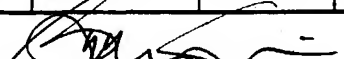


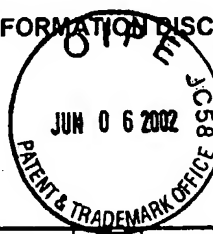
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U.S. PATENT DOCUMENTS							
EXAM. INIT.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE	
8	A1	4,755,461	07/05/88	Lawson et al.	435	13	04/17/86
8	A2	5,001,069	03/19/91	Bartl et al.	436	86	10/04/88
8	A3	5,051,357	09/24/91	Hassouna	435	13	08/21/89
8	A4	5,059,525	10/22/91	Bartl et al.	435	13	05/29/90
8	A5	5,147,805	09/15/92	Preda et al.	436	86	06/29/90
8	A6	5,169,786	12/08/92	Carroll et al.	436	69	12/19/89
8	A7	5,187,067	02/16/93	Koike et al.	435	7.9	03/14/91
8	A8	5,200,322	04/06/93	Matsumoto	435	13	02/28/91
8	A9	5,223,427	06/29/93	Edgington et al.	435	240.27	03/09/88
8	A10	5,254,350	10/19/93	Barrow et al.	424	570	07/22/91
8	A11	5,270,451	12/14/93	Hawkins et al.	530	381	08/06/92
8	A12	5,308,756	05/03/94	van de Waart et al.	435	13	11/20/91
8	A13	5,314,695	05/24/94	Brown	424	450	10/29/91
8	A14	5,358,853	10/25/94	Butler et al.	435	13	08/03/92
8	A15	5,374,617	12/20/94	Morrissey et al.	514	8	05/13/92
8	A16	5,391,380	02/21/95	Barrow et al.	424	570	05/14/93
8	A17	5,418,141	05/23/95	Zweig et al.	435	13	05/06/94
8	A18	5,426,031	06/20/95	Hawkins et al.	435	13	05/25/93
8	A19	5,439,802	08/08/95	Rosén	435	13	07/04/90
8	A20	5,443,960	08/22/95	Dahlbäck	435	13	05/13/92
8	A21	5,472,850	12/05/95	Morrissey	435	13	04/10/91
8	A22	5,502,651	03/26/96	Jackson et al.	364	509	05/02/94
8	A23	5,504,064	04/02/96	Morrissey et al.	514	8	02/19/93
8	A24	5,504,067	04/02/96	Morrissey et al.	514	8	10/12/94
8	A25	5,508,170	04/16/96	Butler et al.	435	13	06/03/94
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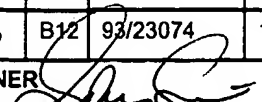
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







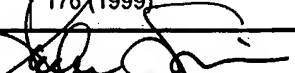
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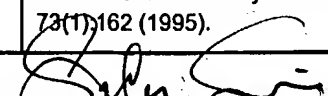




















8	A27	5,643,739	07/01/97	Varadi et al.	435	13	05/01/95
8	A28	5,705,395	01/06/98	Griffin et al.	436	69	11/14/94
8	A29	5,716,795	02/10/98	Matschiner	435	13	01/03/96
8	A30	5,726,028	03/10/98	Kraus	435	13	08/04/95
Q	A31	5,753,510	05/19/98	Kraus	436	16	11/07/95
8	A32	5,766,869	06/16/98	Arkel et al.	435	13	11/27/96
8	A33	5,780,255	07/14/98	Preda	435	23	06/09/95
4	A34	5,834,223	11/10/98	Griffin et al.	435	13	12/18/97
8	A35	5,858,724	01/12/99	Novy, Jr. et al.	435	69.6	07/16/96
8	A36	5,874,256	02/23/99	Bertina et al.	435	69.6	02/21/97
8	A37	6,083,757	07/04/00	Griffin et al.	436	69	11/10/98
8	A38	6,100,072	08/08/00	Brucato et al.	435	69.7	04/22/98
8	A39	6,203,816B1	03/20/01	Brown	424	450	04/24/95

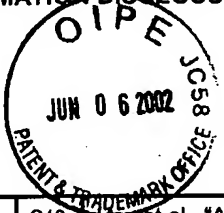

















FOREIGN PATENT DOCUMENTS									
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8	B1	286,323	12/15/93	EP			03/31/88	No	Yes
8	B2	434,377	08/23/95	EP			12/18/90	No	Yes
8	B3	88/07543	10/06/88	PCT			03/29/88	No	Yes
8	B4	90/11368	10/04/90	PCT			03/19/90	No	Yes
8	B5	91/01382	02/07/91	PCT			07/04/90	No	Yes
8	B6	91/01383	02/07/91	PCT			07/5/90	No	Yes
8	B7	91/02812	03/07/91	PCT			08/06/90	No	Yes
8	B8	92/08479	05/29/92	PCT			11/04/91	No	Yes
8	B9	93/07492	04/15/93	PCT			09/25/92	No	Yes
8	B10	93/10261	05/27/93	PCT			05/13/92	No	Yes
8	B11	93/13211	07/08/93	PCT			12/29/92	No	Yes
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








<b>EXAMINER</b> 	<b>DATE CONSIDERED</b> 2/23/04
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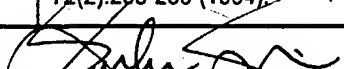
FORM PTO - 1449				ATTORNEY DOCKET NO.: INL-053				
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				SERIAL NO.: 10/029,406				
				FILING DATE: December 19, 2001				
				GROUP: 1651				
B13	95/21938	08/17/95	PCT			02/14/95	No	Yes
OTHER ART, JOURNAL ARTICLES, ETC.								
EXAM. INIT.	OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)							
	C1	Almasy et al. "Linkage of the Factor V Gene with Protein C and Protein S Levels Not Due to the Factor V Leiden Mutation", <u>Washington</u> , p. 387, (1999).						
	C2	Amer et al. "Impairment of the Protein C Anticoagulant Pathway in a Patient with Systemic Lupus Erythematosus, Anticardiolipin Antibodies and Thrombosis," <u>Thrombosis Research</u> , 57:247-258 (1990).						
	C3	Amiral et al. "New Direct Assay of Free Protein S Antigen Using Two Distinct Monoclonal Antibodies Specific for the Free Form," <u>Blood Coag. and Fibrin.</u> , 5:179-186 (1994).						
	C4	Andrews et al. "Conservation of Tissue Factor Primary Sequence Among Three Mammalian Species," <u>Gene</u> , 98:265-269 (1991).						
	C5	Bader et al. "Multicentric Evaluation of a New PT Reagent Based on Recombinant Human Tissue Factor and Synthetic Phospholipids," <u>Thromb. Haemost.</u> , 71(3):292-299 (1994).						
	C6	Baele et al. "Comparison of a Recombinant Thromboplastin with Thrombotest™ for Oral Anticoagulant Control," <u>Haemost.</u> , 26:11-15 (1996).						
	C7	Bauer. "Hypercoaguability-A New Cofactor in the Protein C Anticoagulant Pathway," <u>New England Journal of Medicine</u> , 330:566-567 (1994).						
	C8	Beauchamp et al. "High Prevalence of a Mutation in the Factor V Gene Within the U.K. Population: Relationship to Activated Protein C Resistance and Familial Thrombosis," <u>British J. of Haemost.</u> , 88:219-222 (1994).						
	C9	Bertina et al. "Mutation in Blood Coagulation Factor V Associated with Resistance to Activated Protein C," <u>Nature</u> , 369:64-67 (1994).						
	C10	Boyer-Neumann et al. "Comparison of Functional Assays for Protein S: European Collaborative Study of Patients with Congenital and Acquired Deficiency," <u>Thromb. and Haemost.</u> , 70(6):946-950 (1993).						
	C11	Blangero et al. "Normal Activated Protein C Response has a Large Genetic Component," <u>Florenzia</u> , PS-920, p. 226, (6/9/97).						
	C12	Blangero et al. "Genetic Factors Influence Quantitative Variation in Tissue Factor Pathway Inhibitor," <u>Florenzia</u> , PS-1666, p. 409, (1997).						
	C13	Blombäck et al. "Chromogenic Peptide Substrates in the Laboratory Diagnosis of Clotting ... Disorders," <u>Haemostasis and Thrombosis</u> , Bloom and Thomas (eds.), 2 <sup>nd</sup> ed, 967-981 (1987).						
	C14	Galliano. "Hyperhomocysteinemia, Atherosclerosis and Thrombosis," <u>Thromb. Haemost.</u> , 81:165-176 (1999).						
EXAMINER					DATE CONSIDERED 2/23/04			

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INFORMATION DISCLOSURE STATEMENT		APPLICANTS: Dai et al.
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4	C15	Chromogenix, Coatest APC Resistance Kit instructions, May 1993.
8	C16	Chromogenix, Coatest APC Resistance Kit Brochure, June 1993.
8	C17	Comp. "Laboratory Evaluation of Protein S Status," <u>Seminars in Thromb. and Haemost.</u> , 16(2):177-181 (1990).
4	C18	Cornillon et al. "Rat Coagulation Factor V Purification and Production of the Monospecific Antiserum," <u>Comp. Biochem. Physiol.</u> , 83B, 2: 397-401 (1986).
8	C19	Cripe et al. "Structure of the Gene for Human Coagulation Factor V," <u>Biochemistry</u> , 31: 3777-3785 (1992).
8	C20	Dahlbäck et al. "Resistance to Activated Protein C, the FV:Q <sup>506</sup> Allele, and Venous Thrombosis," <u>Ann. Hematol.</u> , 72:166-176 (1996).
8	C21	Dahlbäck. "New Molecular Insights into the Genetics of Thrombophilia. Resistance to Activated Protein C Caused by Arg <sup>506</sup> to Gln Mutation in Factor V as a Pathogenic Risk Factor for Venous Thrombosis," <u>Thromb. Haemost.</u> , 74(1):139-148 (1995).
8	C22	Dahlbäck. "Factor V Gene Mutation Causing Inherited Resistance to Activated Protein C as a Basis for Venous Thromboembolism," <u>J. Intern. Med.</u> , 237:221-227 (1995).
8	C23	Dahlbäck et al. "Inherited Resistance to Activated Protein C is Corrected by Anticoagulant Cofactor Activity Found to be a Property of Factor V," <u>Proc. Natl. Acad. Sci. (USA)</u> , 91:1396-1400 (1994).
8	C24	Dahlbäck. "A New Model for Coagulation Factor V Suggesting a Unique Mechanism of Activation," <u>Scand. J. Clin. Lab. Invest.</u> , 48, Suppl.191:47-61 (1988).
8	C25	Dahlbäck. "Factor VIII Defect Associated with Familial Thrombophilia," <u>Thrombosis &amp; Haemostasis</u> , 65, Abstract 39:658 (1991).
4	C26	Dahlbäck et al. "Familial Thrombophilia Due to a Previously Unrecognized Mechanism Characterized by Poor Anticoagulant Response to Activated Protein C: Prediction of a Cofactor to Activated Protein C," <u>Proc. Natl. Acad. Sci. USA</u> , 90:1004-1008 (1993).
8	C27	Dahlbäck. "Thrombophilia: The Discovery of Activated Protein C Resistance," <u>Advances in Genetics: Incorporating Molecular Genetic Medicine</u> , Academic Press, (Hall et al. eds.), 135-175 (1995).
4	C28	Dahlbäck et al. "A Natural Anticoagulant Pathway: Proteins C, S, C4b-Binding Protein and Thrombomodulin," <u>Haemostasis and Thrombosis</u> (Bloom et al. eds.), 3 <sup>rd</sup> edition, Churchill Livingstone, 671-698 (1994).
4	C29	Dahlbäck. "The Protein C Anticoagulant System: Inherited Defects as Basis for Venous Thrombosis," <u>Thrombosis Research</u> , 77:1-43 (1995).
4	C30	D'Angelo. "7 Prothrombin Time Standardization: The Problem of the Control Plasma," <u>Eur. J. Clin. Chem. Clin. Biochem.</u> , 33(12):1019-1022 (1995).
8	C31	Denson et al. "Validity of the INR System for Patients with Liver Impairment," <u>Thromb. Haemost.</u> , 73(1):162 (1995).
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











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		GROUP: 1651
	C32	DiScipio et al. "A Comparison of Human Prothrombin, Factor IX (Christmas Factor), Factor X (Stuart Factor), and Protein S," <u>Biochem.</u> , 16:698-704 (1977).
	C33	Duchemin et al. "A New Assay Based on Thrombin Generation Inhibition to Detect Both Protein C and Protein S Deficiencies in Plasma," <u>Thomb. and Haemost.</u> , 71(3):331-338 (1994).
	C34	Edson et al. "Laboratory Diagnosis of Inherited Protein S Deficiency," <u>Am. J. Clin. Pathol.</u> , 94(2):176-186 (1990).
	C35	Esmon. "The Roles of Protein C and Thrombomodulin in the Regulation of Blood Coagulation," <u>J. Biol. Chem.</u> , 264(9):4743-4746 (1989).
	C36	Esmon. "The Regulation of Natural Anticoagulant Pathways," <u>Science</u> , 235:1348-1352 (1987).
	C37	Esmon. "Protein C: Biochemistry, Physiology, and Clinical Implications," <u>Blood</u> , 62:1155-1158 (1983).
	C38	Faioni et al. "Another Protein S Functional Assay is Sensitive to Resistance to Activated Protein C," <u>Thomb. and Haemost.</u> , 72(4):648 (1994).
	C39	Faioni et al. "Resistance to Activated Protein C in Nine Thrombophilic Families: Interference in a Protein S Functional Assay," <u>Thromb. and Haemost.</u> , 70(6):1067-1071 (1993).
	C40	Falkon et al. "Tissue Factor Pathway Inhibitor and Anti-FXa Kinetic Profiles of a New Low-Molecular-Mass Heparin, Bemiparin, at Therapeutic Subcutaneous Doses," <u>Blood Coag. and Fibrin.</u> , 9:137-141 (1998).
	C41	Folsom et al. "Prospective Study of Hemostatic Factors and Incidence of Coronary Heart Disease," <u>Circulation</u> , 96(4):1102-1108 (1997).
	C42	Forastiero et al. "Evaluation of Recently Described Tests for Detection of the Lupus Anticoagulant," <u>Thromb. Haemost.</u> , 72(5):728-733 (1994).
	C43	Garl et al. "The Influence of Low Protein S Plasma Levels in Young Women, on the Definition of Normal Range," <u>Thromb. Res.</u> , 73(2):149-152 (1994).
	C44	Giddings et al. "Chapter 12: Laboratory Support in the Diagnosis of Coagulation Disorders," <u>Clinics in Haematology</u> , 14(2):571-595 (1985).
	C45	Griffin et al. "Anticoagulant Protein C Pathway Defective in Majority of Thrombophilic Patients," <u>Blood</u> , 82(7):1989-1993 (1993).
	C46	Griffin et al. "Activated Protein C Resistance: Molecular Mechanisms," <u>Thromb. Haemost.</u> , 74(1) 444-448 (1995).
	C47	Halbmayer et al. "The Prevalence of Poor Anticoagulant Response to Activated Protein C (APC Resistance) Among Patients Suffering from Stroke or Venous Thrombosis and Among Healthy Subjects," <u>Blood Coag. and Fibrin.</u> , 5:51-57 (1994).
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




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	C48	Han et al. "A Simple Functional Protein S Assay Using PROTAC <sup>®</sup> ," <u>Clin. Lab. Haemat.</u> , 12:201-208 (1990).
	C49	Hemker et al. "Proteins Induced by Vitamin K Absence (PIVKAs) Effect of Coumarins on Circulating Clotting Factors," <u>Oral Anticoagulants</u> , Poller and Hirsch, eds., Arnold Press, London, 65-75 (1996).
	C50	Henkens et al. "Plasma Levels of Protein S, Protein C, and Factor X: Effects of Sex, Hormonal State and Age," <u>Thromb. Haemost.</u> , 74(5):1271-1275 (1995).
	C51	Hochuli et al. "Genetic Approach to Facilitate Purification of Recombinant Proteins with a Novel Metal Chelate Adsorbent," <u>Bio/Technology</u> , 1321-1325 (1988).
	C52	Kalafatis et al. "Role of the Membrane in the Inactivation of Factor Va by Activated Protein C," <u>J. Biol. Chem.</u> , 268(36):27246-27257 (1993).
	C53	Kalafatis et al. "Proteolytic Events That Regulate Factor V Activity in Whole Plasma from Normal and Activated Protein C (APC)-Resistant Individuals During Clotting: An Insight into the APC-Resistance Assay," <u>Blood</u> , 87(11): 4695-4707 (1996).
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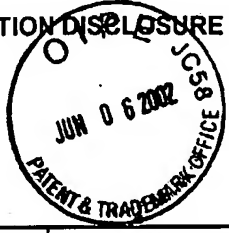
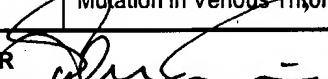
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				SERIAL NO.: 10/029,406					
				FILING DATE: 12/19/01 GROUP: 1651					
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